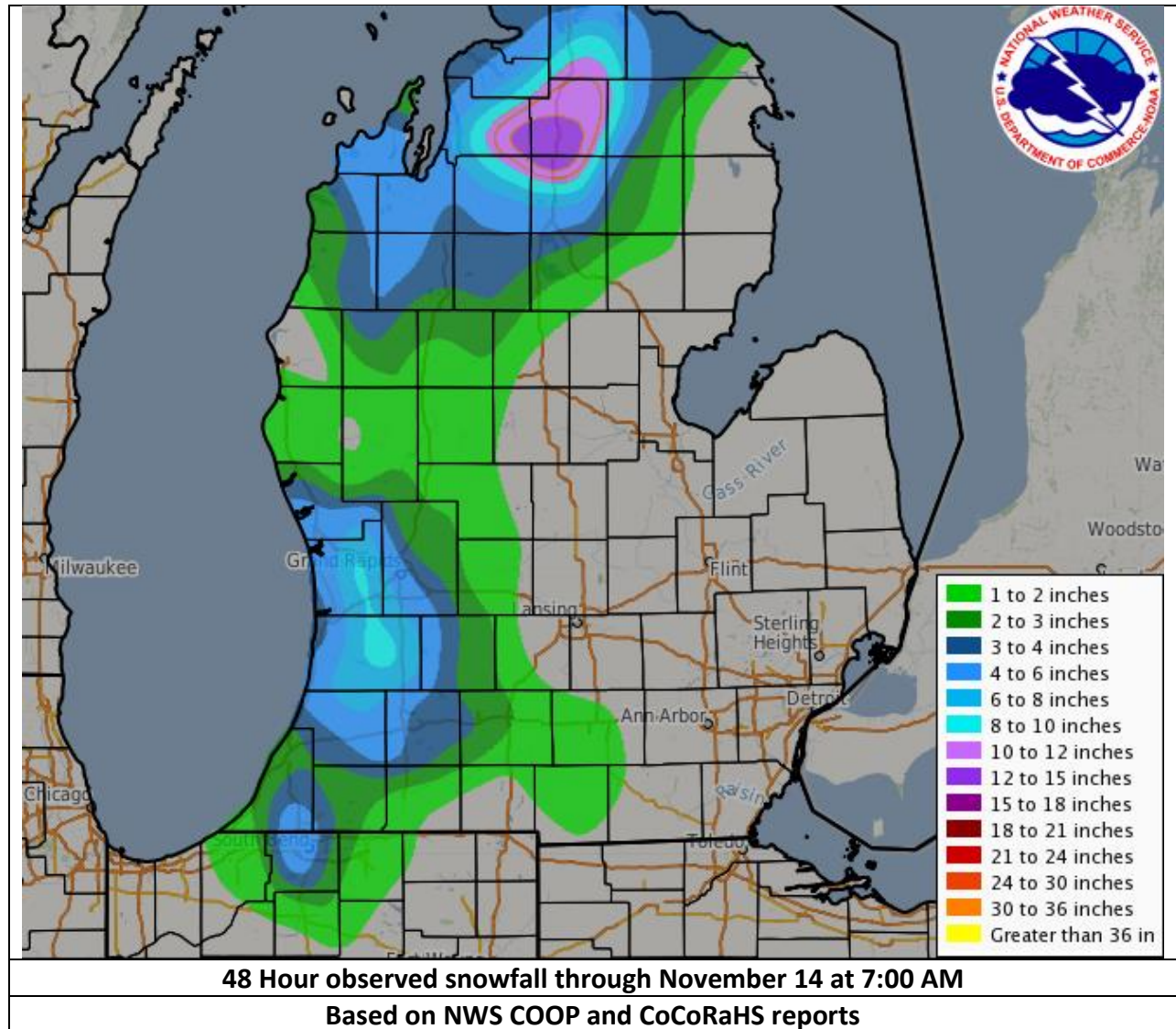


Lake Effect Snow, November 13-14, 2014

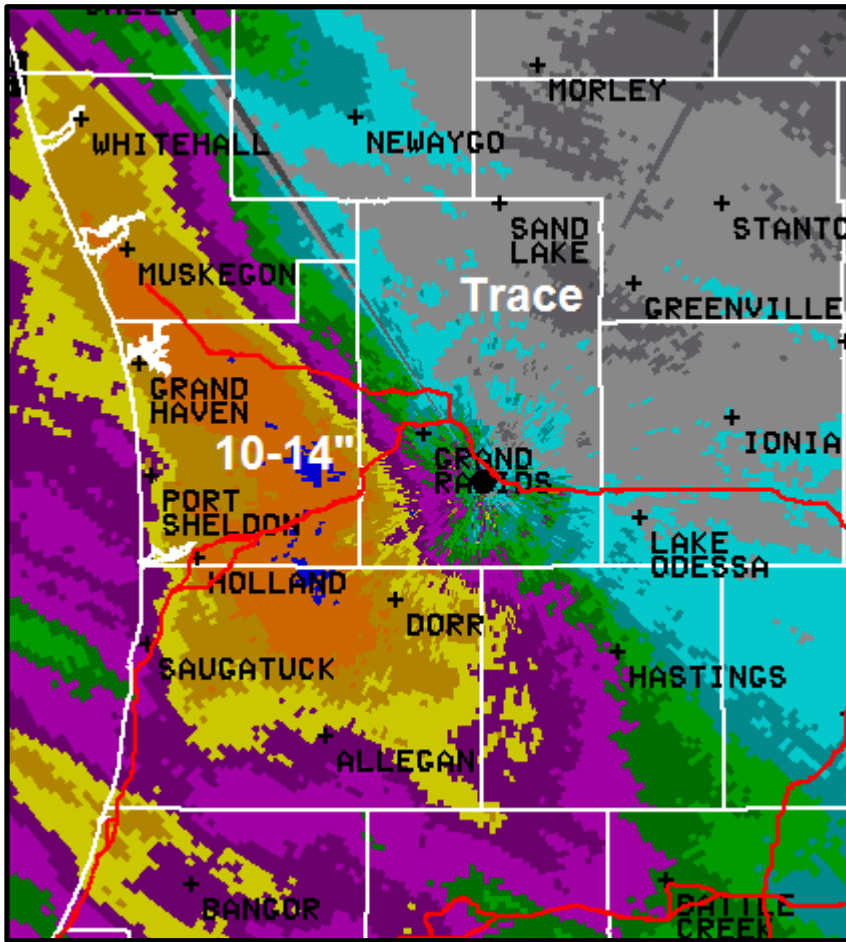
The first significant snowfall event of the season occurred Thursday through Friday as unusually cold mid-November air plunged into the Midwest. Lake Michigan water temperatures in the upper 40s helped generate lake-effect snow showers. Northwest winds focused the heaviest snow near the lake, mainly from Muskegon to Kalamazoo. The greatest totals were concentrated in central/eastern Ottawa and Allegan counties, where roughly a foot of snow fell in a number of locations.

Observed snowfall



Note: The observed snowfall amounts used to create the map above were from a coarse network of trained observers. The map will not reflect all the observations reported below. Actual snowfall totals in the above image may be higher/lower in your location. The snow depth on the ground is generally lower than these totals convey, as snow compacted during the event.

Radar estimated snowfall



This radar-estimated snowfall map shows the wide range of snow totals that fell across a fairly short distance. While the western suburbs of Grand Rapids received around a foot of snow, locations north and east of Grand Rapids received less than an inch. Officially, Grand Rapids received 1.1 inches at the Gerald R. Ford International Airport.

Event total snowfall reports

LOCATION	AMOUNT	TIME/DATE	LAT/LON
..ALLEGAN			
HOPKINS 2.0 N	11.3 IN	0850 AM 11/14	42.65N/85.76W
DORR 0.4 E	8.5 IN	0839 AM 11/14	42.72N/85.71W
HOPKINS 1 N	8.3 IN	0700 AM 11/14	42.64N/85.76W
WAYLAND 2.0 W	8.1 IN	0658 AM 11/14	42.67N/85.68W
..BARRY			
4 N ORANGEVILLE	3.0 IN	0838 AM 11/14	42.61N/85.52W
HASTINGS	2.3 IN	0700 AM 11/14	42.65N/85.30W

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..KALAMAZOO

KALAMAZOO 6.0 SW	5.0 IN	0802 AM 11/14	42.21N/85.66W
KALAMAZOO	3.0 IN	0900 AM 11/14	42.27N/85.59W

..KENT

GRANDVILLE 1.3 WSW	13.6 IN	1008 AM 11/14	42.90N/85.78W
GRANDVILLE	10.0 IN	0700 AM 11/14	42.90N/85.77W
EAST GRAND RAPIDS 0.7 SSW	1.7 IN	0651 AM 11/14	42.94N/85.61W
GRAND RAPIDS 5.5 NNE	1.7 IN	0912 AM 11/14	43.03N/85.61W
CALEDONIA 4.4 WNW	1.5 IN	0740 AM 11/14	42.83N/85.59W
NWS FORECAST OFFICE	1.1 IN	0700 AM 11/14	42.89N/85.54W

..MUSKEGON

MUSKEGON 4 SE	7.6 IN	0700 AM 11/14	43.18N/86.20W
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..NEWAYGO

1 NNE FREMONT	2.0 IN	0645 AM 11/14	43.47N/85.94W
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..OSCEOLA

REED CITY WWTP	1.4 IN	0700 AM 11/14	43.87N/85.50W
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..OTTAWA

ALLENDAL 1.3 SSW	14.0 IN	0736 AM 11/14	42.97N/85.96W
HUDSONVILLE	10.5 IN	0700 AM 11/14	42.87N/85.86W
3 SE JENISON	10.3 IN	0800 AM 11/14	42.88N/85.79W
WALKER 3.2 W	7.5 IN	0641 AM 11/14	42.99N/85.81W
HOLLAND 4.3 NNW	2.5 IN	0758 AM 11/14	42.82N/86.15W

..VAN BUREN

BANGOR	7.0 IN	0700 AM 11/14	42.31N/86.11W
BLOOMINGDALE	6.5 IN	0700 AM 11/14	42.38N/85.96W
PAW PAW 3.6 NNE	5.8 IN	0720 AM 11/14	42.27N/85.86W
PAW PAW	4.5 IN	0700 AM 11/14	42.22N/85.89W
SOUTH HAVEN	4.0 IN	0824 AM 11/14	42.40N/86.27W

OBSERVATIONS ARE COLLECTED FROM A VARIETY OF SOURCES WITH VARYING EQUIPMENT AND EXPOSURE. NOT ALL DATA LISTED ARE CONSIDERED OFFICIAL.